documents is provided herewith. In order to expedite prosecution, please disregard the sequence

listings and preliminary amendments filed on March 21, 2000, July 31, 2000 and October 26,

2000. Preliminary to the examination thereof, please amend the patent application as follows:

IN THE SPECIFICATION:

Please amend the specification as follows:

Page 5, line 18, delete "5'-TGTTCG….CGAACA-3'." and substitute therefor –

TGTTCGNCGAACA (SEQ ID NO: 1).--;

Page 6, line 26, delete "5'-TAATGTATA….TATACAACA-3'." and substitute therefor -

-TAATGTATANTATACAACA (SEQ ID NO: 2)--;

Page 7, line 28, after "2B" insert --(SEQ ID NOs: 3-5)--;

Page 11, lines 25 and 26, delete "sequences 1-28" and substitute therefor --SEQ ID NOs.:

6-37--;

Page 12, line 1, delete "sequences 1-28" and substitute therefor --SEQ ID NOs.: 6-37--;

Page 13, line 7, after "pCAL" insert --(SEQ ID NO: 3)--,

Line 8, after "ORFs" insert --(SEQ ID NOs: 4 and 5)--,

Line 20, after "PBS" insert --(SEQ ID NO: 38)--,

Line 21, after "*cerevisiae*" insert --(SEQ ID NO: 39)--,

Line 24, after "TCA1." insert --(SEQ ID NOs: 40-42)--,

Line 29, after "retrotransposons" insert --(SEQ ID NOs: 43-65)--;

Page 14, line 7, after "virus (A)" insert --(SEQ ID NO: 66)--,

Line 7, after "pCAL (B)" insert --(SEQ ID NO: 67)--;

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Page 15, line 21, after "SGY269" insert --(SEQ ID NO: 68-82)--,

Line 26, after "complex." insert --(SEQ ID NO: 83)--,

Line 27, after "fragment." insert --(SEQ ID NO: 84)--;

Page 17, line 27, after "pairs.", insert --(SEQ ID NO: 6)--,

Line 28, after "retrotransposon 2.", insert --(SEQ ID NO: 7)--,

Line 28, after "retrotransposon 3.", insert --(SEQ ID NO: 8)--;

Page 18, line 1, after "retrotransposon 4.", insert --(SEQ ID NO: 9)--,

Line 2, after "retrotransposon 5.", insert --(SEQ ID NO: 10)--,

Line 3, after "retrotransposon 6.", please insert --(SEQ ID NO: 11)--,

Line 4, after "retrotransposon 7.", insert --(SEQ ID NO: 12)--,

Line 5, after "retrotransposon 8.", insert --(SEQ ID NO:13)--,

Line 6, after "retrotransposon 8.", insert --(SEQ ID NO:14)--,

Line 7, after "retrotransposon 9.", insert --(SEQ ID NO:15)--,

Line 9, after "retrotransposon 10.", insert --(SEQ ID NO: 16)--,

Line 11, after "retrotransposon 11.", insert --(SEQ ID NO: 17)--,

Line 13, after "retrotransposon 12.", insert --(SEQ ID NO: 18)--,

Line 15, after "retrotransposon 13.", insert --(SEQ ID NO: 19)--,

Line 17, after "retrotransposon 14.", insert --(SEQ ID NO: 20)--,

Line 19, after "retrotransposon 15.", insert --(SEQ ID NO: 21)--,

Line 22, after "retrotransposon 15.", insert --(SEQ ID NO: 22)--,

Line 24, after "retrotransposon 16.", insert --(SEQ ID NO: 23)--,

Line 26, after "retrotransposon 16.", insert --(SEQ ID NO: 24)--,

Line 28, after "retrotransposon 17", insert --(SEQ ID NO: 25)--;

Page 19 line 1, after "retrotransposon 18", insert --(SEQ ID NO: 26)--,

Line 3, after "retrotransposon 19", insert --(SEQ ID NO: 27)--,

Line 5, after "retrotransposon 20", insert --(SEQ ID NO: 28)--,

Line 7, after "retrotransposon 21", insert --(SEQ ID NO: 29)--,

Line 9, after "retrotransposon 22", insert --(SEQ ID NO: 30)--,

Line 11, after "retrotransposon 23", insert --(SEQ ID NO: 31)--,

Line 13, after "retrotransposon 24", insert --(SEQ ID NO: 32)--,

Line 15, after "retrotransposon 25", insert --(SEQ ID NO: 33)--,

Line 16, after "retrotransposon 26", insert --(SEQ ID NO: 34)--,

Line 18, after "retrotransposon 26", insert --(SEQ ID NO: 35)--,

Line 20, after "retrotransposon 27", insert --(SEQ ID NO: 36)--,

Line 22, after "retrotransposon 28", insert --(SEQ ID NO: 37)--,

Page 20, line 25, after "genome" insert --(SEQ ID NO: 85)--;

Page 22, line 2, after "TCA1." insert --(SEQ ID NO: 86-99)--;

Page 22, Lines 6 and 7, delete "the additional 38 sequences" and substitute therefor –

(SEQ ID NOs: 99-144) --;

Page 47, line 26, delete "5'-TGTTGG....CCATCA-3' and substitute therefor

--TGTTGGNCCATCA (SEQ ID NO: 145)--;

Page 48, line 2, after "GATTAGAAGTC" insert --(SEQ ID NO: 146);

Page 66, line 20, after 5'-GATACAAAATGCATTAACGGCAG-3' insert --(SEQ ID

NO: 147)--,